BIALLELIC MARKER ID	ORIGINAL ALLELE	ALTERNATIVE ALLELE
20-828-311	С	T
17-42-319	С	Т
17-41-250	С	Т
20-841-149	A	G
20-842-115	G	A
20-853-415	C	T
	20-828-311  17-42-319  17-41-250  20-841-149	MARKER ID  20-828-311  C  17-42-319  C  17-41-250  C  20-841-149  A  20-842-115  G

FIG. 1

SEQ ID NO.	Biallelic Marker ID Original Allele	Original Allele	Alternative Allele	Position Range of Preferred Sequences
_	20-828-311	O	Ĺ	739-1739
	17-42-319	υ	₽	10946-12958; 13470- 13526; 13641-13752
	17-41-250	ک	Ţ	14271-17969
-	20-841-149	A	Ö	41718-42718
-	20-842-115	Ð	A	44942-45942
1	20-853-415	C	T	76558-77558
2	17-41-250	O	L	1-1879
4	17-42-319	S	T	1-1498; 1613-1724
4	17-41-250	C	L	2243-3940; 3941-5381

FIG. 2

SEQ ID NO.	POSITION OF CONFLICT	NUCLEOTIDE
1	13269 (SEQ ID NO: 1)	T (original)
4	1241 (SEQ ID NO: 4)	C (alternative)

FIG. 3A

SEQ ID NO.	POSITION OF CONFLICT	NUCLEOTIDE
1	13475 (SEQ ID No 1)	G (original)
4	1447 (SEQ ID No 4)	A (alternative)

FIG. 3B

SEQ. ID. NO	POSITION RANGE OF MICROSEQUENCING PRIMERS	COMPLEMENTARY POSITIN RANGE OF MICROSEQUENCING PRIMERS
1	1220-1238	1240-1258
1	12328-12346	12348-12366
1	15222-15240	15242-15260
1	42199-42217	42219-42237
1	45423-45441	45443-45461
1	77039-77057	77059-77077
4	300-318	320-338
4	3194-3212	3214-3232

FIG. 4

SEQ. ID NO.	POSITION RANGE OF AMPLIFICATION PRIMERS	COMPLEMENTARY POSITION RANGE OF AMPLIFICATION PRIMERS
1	929-949	1357-1377
1	12029-12050	12581-12603
1	14992-15012	15460-15482
1	42070-42090	42572-42591
1	45328-45347	45863-45883
1 .	76644-76664	77166-77185
4	1-11022	553-11575
4	899-11920	1441-12461
4	1246-12267	1632-12651
4	2964-13984	3432-14454

FIG. 5

SEQ. ID NO	POSITION RANGE OF PROBES
1	1227-1251
1	12335-12359
1	15229-15253
1	42206-42230
1	45430-45454
1	77046-77070
4	307-331
4	3201-3225

FIG. 6

FIG. 7



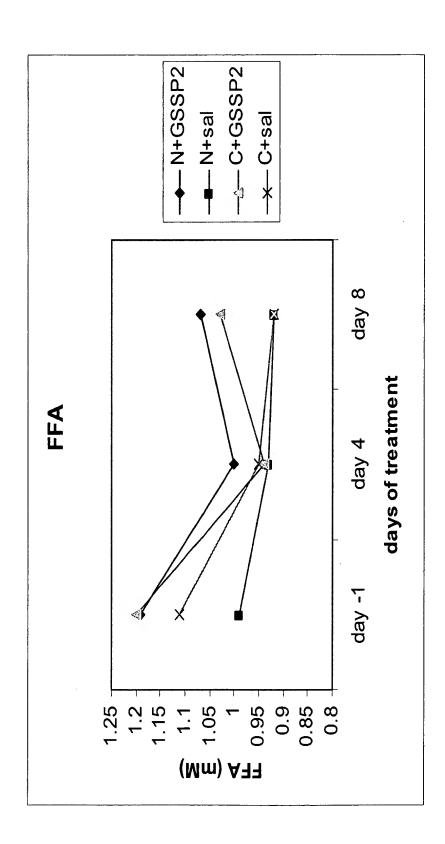
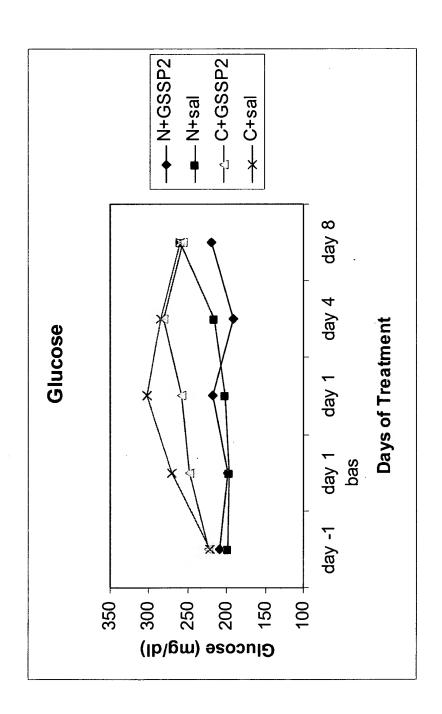


FIG. 8

Glucose measurements



TG measurements

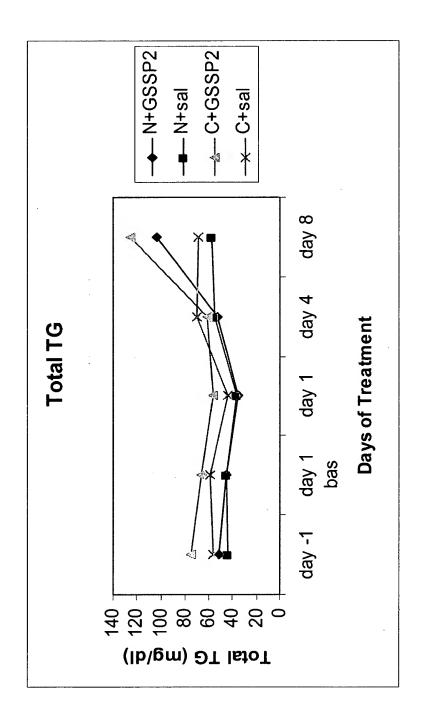
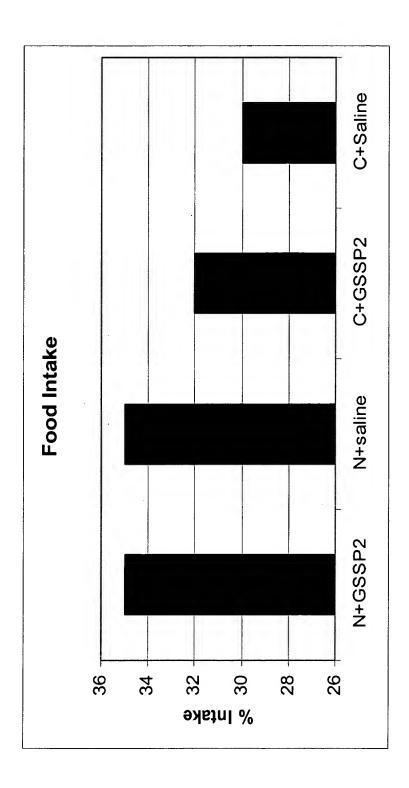


FIG. 10

Food intake measurements



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Body weight measurements

